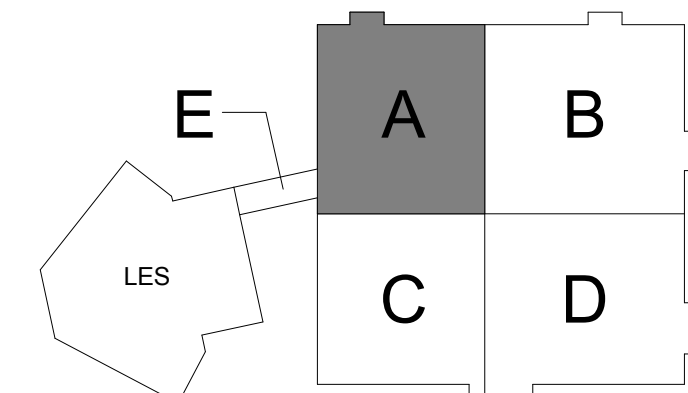


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PLUMBING DOMESTIC WATER AND COMPRESSED AIR FLOOR PLAN A

SCALE: 1/8" = 1' - 0'

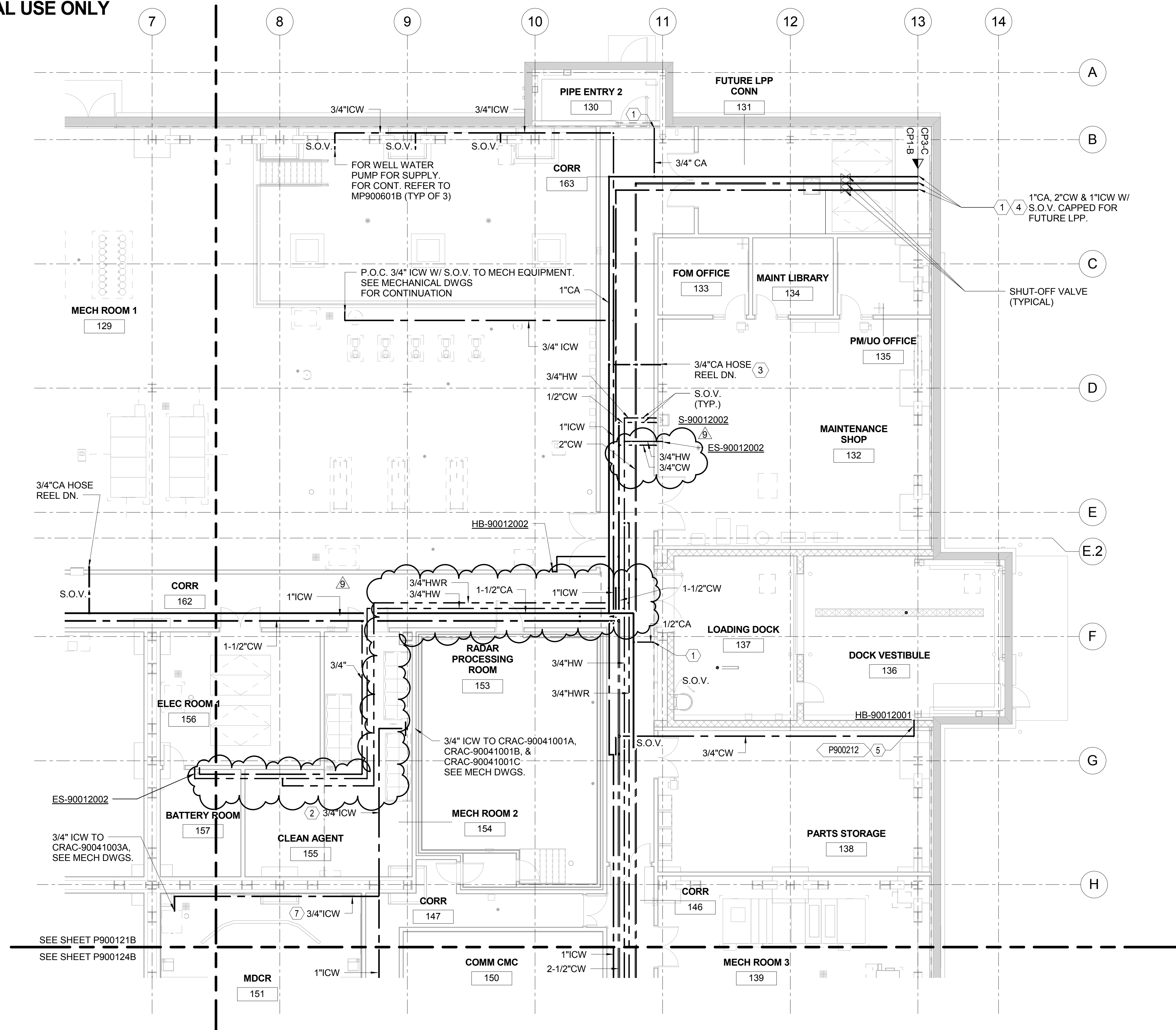
REGISTERED PROFESSIONAL ENGINEER
 PEGGY PEIYI WU
 No. M 30595
 EXP. 06-30-18
 MECHANICAL
 STATE OF CALIFORNIA
 11-18-1

RTA

Reference
number:
P-900121B

Reference
number:

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GENERAL NOTES:

A. FOR GENERAL PLUMBING LEGEND AND SYMBOLS, SEE SHEET P-900001B.

B. FOR CONTINUATION OF UTILITIES, SEE CIVIL ENGINEER'S DRAWINGS.

C. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND MORE INFORMATION FOR MECHANICAL UNITS.

D. REFER TO SHEET A-900008B FOR HEMP SHIELD.

E. FACULTY COMPRESSED AIR SYSTEM DESIGN IS TO PROVIDE OIL FACE SUPPLY LOOP. OIL LUBRICATOR IF REQUIRED AT ANY TOOL(S) AND EQUIPMENT SHALL BE PROVIDED BY USER.

KEYNOTES:

- 1 1/2"CA W/ S.O.V. INSIDE THE HEMP TO HEMP DOOR CONTROLLER.
- 2 BELOW FLOOR TILE IN RECESSED FLOOR SPACE.
- 3 OIL FREE COMPRESSED AIR. OIL LUBRICATOR IF REQUIRED AT TOOL(S) SHALL BE PROVIDED BY USER.
- 4 PIPE FOR FUTURE CONNECTION PROVIDE 4-WAY SEISMIC BRACE NEAR END OF PIPE.
- 5 HEMP PENETRATION.

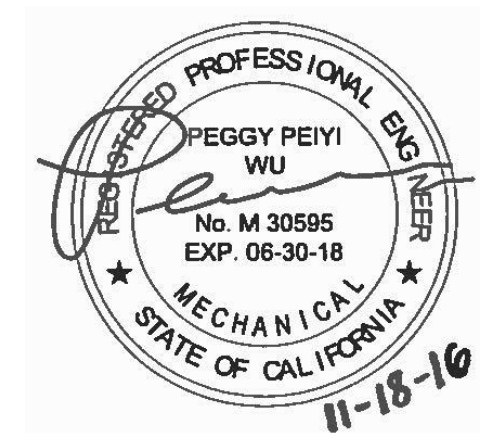
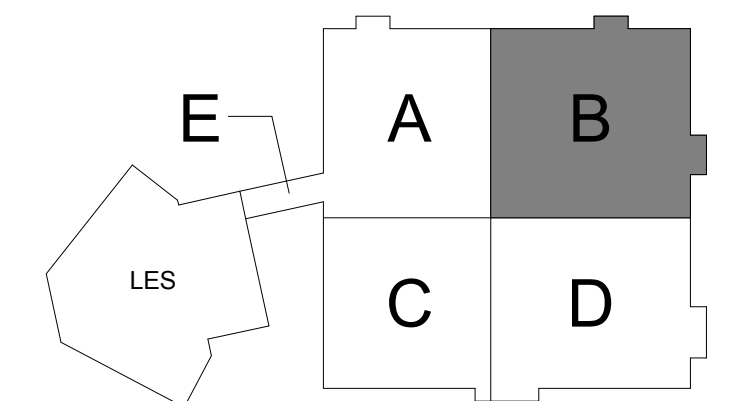
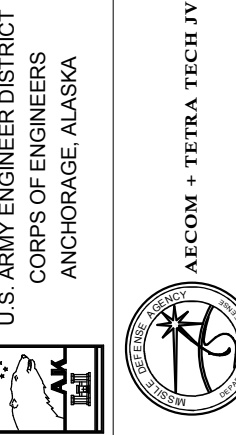


S Army Corps of
Engineers ®
Alaska District

CONTRACT NO.		
CONTRACTOR		
CITY	STATE	
Recommended:	Approved:	Date:

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Drawn: K. MAYOR	AS NOTED
Reviewed: P. WU	1:1
Submitted: BTN	FILED: MCF PLUMB 2015
	AF-141-391-02



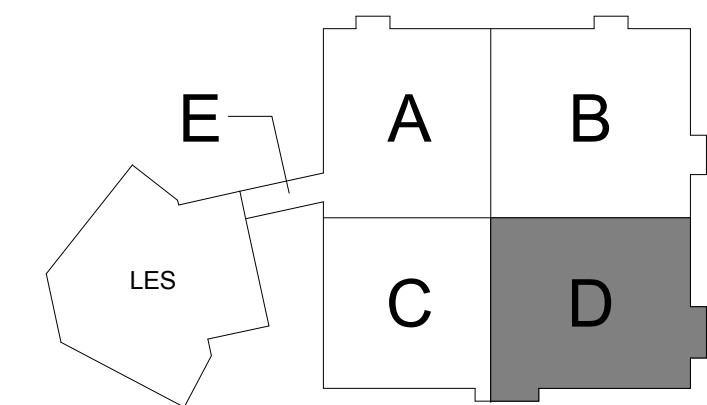
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LONG RANGE DISCRIMINATION RADAR
CLEAR AF-S, ALASKA
CONSTRUCTION PACKAGE 1 - VOLUME 2
PLUMBING DOMESTIC WATER AND COMPRESSED AIR
FLOOR PLAN B

Reference
number:

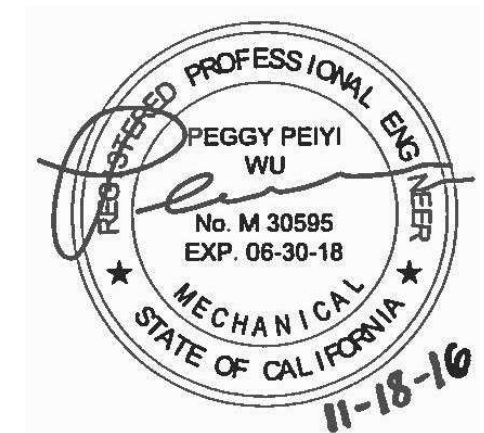
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NOT FOR CONSTRUCTION


$$1/8'' = 1'-0''$$


ALL DIMENSIONS AND/OR DIMENSIONS SHOWN IN
CALLOUTS/NOTES ARE INCHES UNLESS OTHERWISE NOTED

- 1 1/2"CA W/ S.O.V. INSIDE THE HEMP TO HEMP DOOR CONTROLLER.
- 2 HEMP PENETRATION.
- 3 NOT USED.
- 4 NOT USED.
- 5 NOT USED.
- 6 1"ICW DOWN ALONG COLUMN INTO RECESSED FLOOR SPACE.
- 7 BELOW FLOOR TILE IN RECESSED FLOOR SPACE.

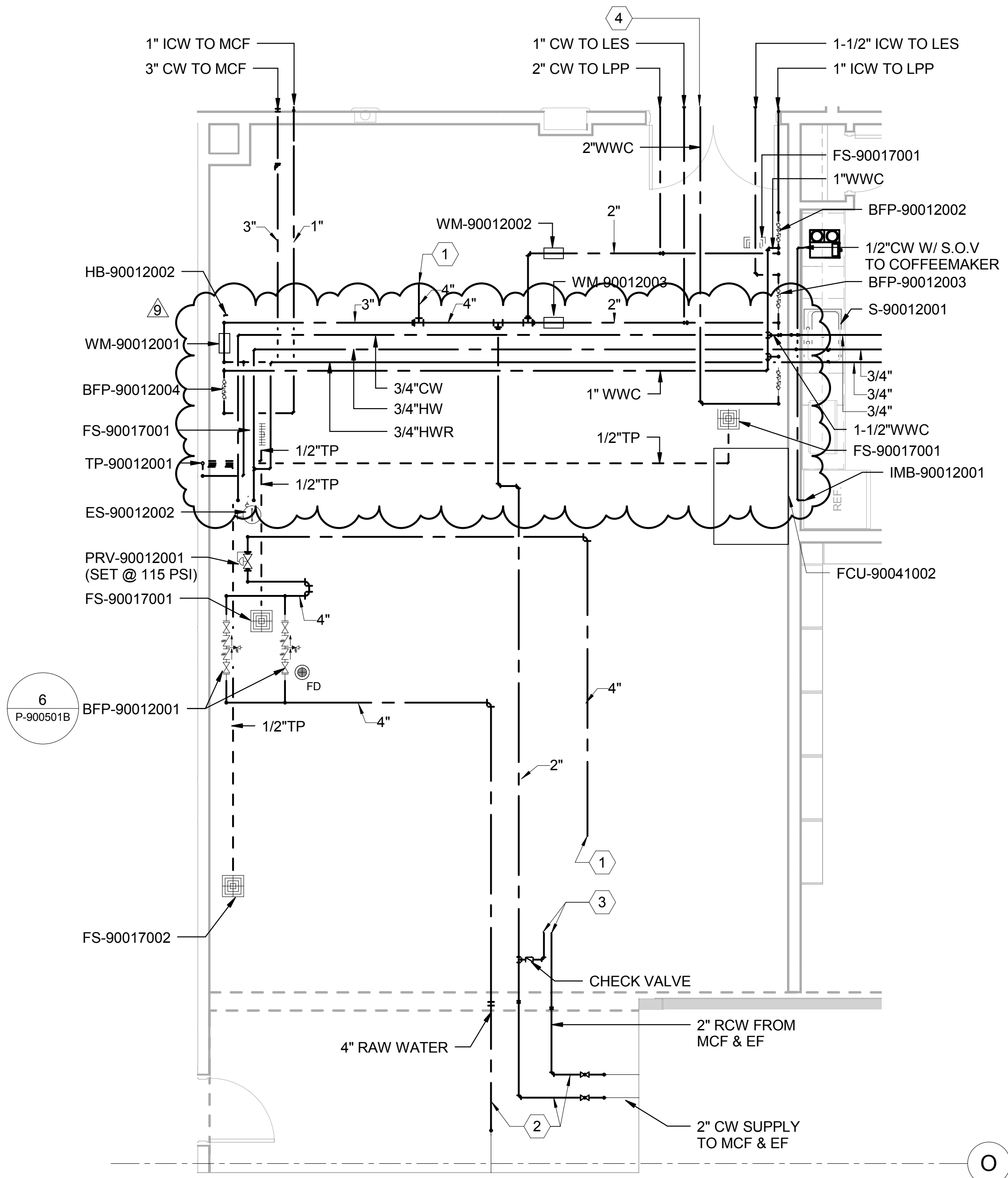


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P-900402B

ENLARGED WATER TREATMENT ROOM WATER PLAN

1/4" = 1' - 0"



SCALE: 1/4" = 1' - 0"

ALL DIMENSIONS AND/OR DIMENSIONS SHOWN IN
CALLOUTS/NOTES ARE INCHES UNLESS OTHERWISE NOTED

GENERAL NOTES:

- A. FOR GENERAL PLUMBING LEGEND AND SYMBOLS, SEE SHEET P-900001B.
- B. FOR CONTINUATION OF UTILITIES, SEE CIVIL ENGINEER'S DRAWINGS.
- C. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND MORE INFORMATION FOR MECHANICAL UNITS.
- D. SEE DETAIL 7, SHEET P-900503B FOR SCHEMATIC DIAGRAM OF THE WATER TREATMENT PIPING LAYOUT.
- E. REFER TO SHEET A-900008B FOR HEMP SHIELD.

KEYNOTES:

- 1 P.O.C. 4" COLD WATER TO WATER TREATMENT SYSTEM. FOR CONTINUATION SEE SHEET D-900103B.
- 2 PROVIDE DRAIN PAN UNDERNEATH THE OVERHEAD WATER PIPES. DRAIN SHALL SPILL THRU WALL AND TERMINATE OUTSIDE THE BUILDING.
- 3 P.O.C. 2" CW TO SITE AND 2" CW FROM SITE RECIRCULATION SYSTEM. SEE MECHANICAL DRAWINGS FOR CONTINUATION.
- 4 P.O.C. 4" WWC. SEE MECHANICAL DRAWINGS FOR CONTINUATION.
- 5 HEMP PENETRATION.

AECOM
700 G Street, Suite 500
Anchorage, Alaska 99501
907.562.3366 | AECC280



RTA



CONTRACT NO.	DATE
CONTRACTOR	RESIDENT ENGINEER
CITY	STATE
RECOMMENDED	APPROVED
PRIME CONTRACTOR	

DATE	2017/01/18	BY	BTN
REVISION		DESCRIPTION	
1		READY TO ADVISE SUBMITTAL	
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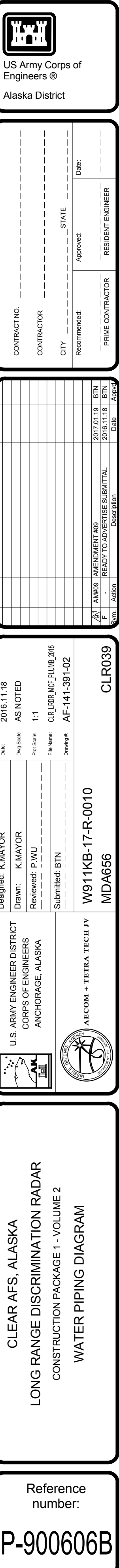
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CLEAR AFS, ALASKA
LONG RANGE DISCRIMINATION RADAR
CONSTRUCTION PACKAGE 1 - VOLUME 2
PLUMBING ENLARGED FLOOR PLANS - SHEET 2 OF 2

Reference
number:
P-900402B

NOT FOR CONSTRUCTION

MATCHLINE



CLEAR AFS, ALASKA
LONG RANGE DISCRIMINATION RADAR
CONSTRUCTION PACKAGE 1 - VOLUME 2
WATER PIPING DIAGRAM

Reference
number:
P-900606B

1 WATER PIPING DIAGRAM
P-900606B NTS

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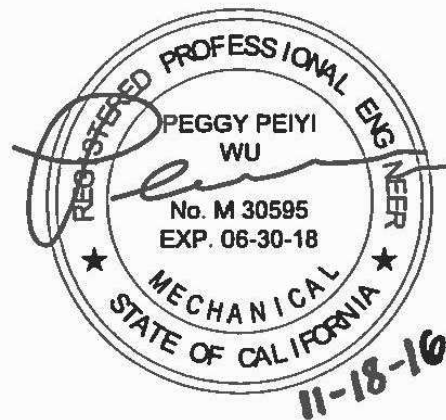
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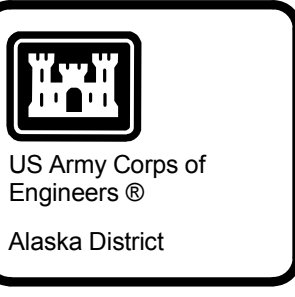
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PLUMBING FIXTURE SCHEDULE							
MARK	TYPE	DESCRIPTION	WATER		SANITARY		
			HOT	COLD	TRAP	WASTE	VENT
WC-90012001	WATER CLOSET	WALL MOUNTED, SIPHON JET, ELONGATED BOWL, WHITE VITREOUS CHINA. COMPLETE WITH DIAPHRAGM-TYPE FLUSH VALVE (1.28 GPF), HEAVY-DUTY SOLID PLASTIC WHITE ELONGATED OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL SELF-SUSTAINING HINGE & HORIZONTAL OR VERTICAL ADJUSTABLE CONCEALED WATER CLOSET CARRIER.	--	1"	INT	4"	2"
WC-90012002	WATER CLOSET	WALL MOUNTED, SIPHON JET, ELONGATED BOWL, WHITE VITREOUS CHINA. COMPLETE WITH DIAPHRAGM-TYPE FLUSH VALVE (1.28 GPF), HEAVY-DUTY SOLID PLASTIC WHITE ELONGATED OPEN FRONT SEAT LESS COVER WITH STAINLESS STEEL SELF-SUSTAINING HINGE & HORIZONTAL OR VERTICAL ADJUSTABLE CONCEALED WATER CLOSET CARRIER. MOUNT AT ACCESSIBLE HEIGHT.	--	1"	INT	4"	2"
UR-90012001	URINAL	WALL MOUNTED, HIGH-EFFICIENCY, WHITE VITREOUS CHINA WITH WASHOUT FLUSHING ACTION AND TOP SPUD WATER CONNECTION. COMPLETE WITH HIGH-EFFICIENCY DIAPHRAGM-TYPE FLUSH VALVE (1/8 GPF) & FLOOR MOUNTED CONCEALED URINAL CARRIER.	--	3/4"	INT	2"	1-1/2"
UR-90012002	URINAL	WALL MOUNTED, HIGH-EFFICIENCY, WHITE VITREOUS CHINA WITH WASHOUT FLUSHING ACTION AND TOP SPUD WATER CONNECTION. COMPLETE WITH HIGH-EFFICIENCY DIAPHRAGM-TYPE FLUSH VALVE (1/8 GPF) & FLOOR MOUNTED CONCEALED URINAL CARRIER. MOUNT AT ACCESSIBLE HEIGHT.	--	3/4"	INT	2"	1-1/2"
L-90012001	LAVATORY	COUNTERTOP LAVATORY, SEE SPECIFICATION 06 61 16.01 00 FOR LAVATOR INFORMATION, COMPLETE WITH METERED FAUCET SET @ 15 SECONDS WITH 0.35 GPM AERATOR AND VANDAL RESISTANT COVER PLATE , 1-1/4" OUTLET OPEN GRID P.O. PLUG, SEAMLESS PRE-WRAPPED 1-1/4" L.A. PATTERN P-TRAP WITH GALVANIZED NIPPLE, CHROMIUM PLATED BRASS CASING, LOOSE KEY STOPS WITH RIGID SUPPLIES, SEAMLESS SUPPLY RISER TUBE COVERS AND ANGLE STOP WHEEL HANDLE COVERS.	1/2"	1/2"	1-1/4"	2"	1-1/2"
S-90012001	SINK (BREAKROOM)	22"X22", UNDERMOUNT SINGLE BOWL, 6-1/2" DEEP, MOUNT AT ADA HEIGHT, 18 GAUGE STAINLESS STEEL, EACH BASIN SINGLE DRAIN HOLE PUNCHED, SINGLE LEVER FAUCET WITH (1.0 GPM) AERATOR. COMPLETE WITH GARBAGE DISPOSER, 3/4 HP, 120V, 1 PH, 60 HZ.	3/4"	3/4"	1-1/2"	2"	1-1/2"
S-90012002	SINK (MAINTENANCE SHOP)	SINK - WALL HUNG - 18 GAUGE STAINLESS STEEL - ADA COMPLIANT - EACH BASIN SINGLE DRAIN HOLE PUNCHED, SINGLE LEVER FAUCET WITH (1.0 GPM) AERATOR.	3/4"	3/4"	1-1/2"	2"	1-1/2"
SH-90012001	SHOWER ACCESSIBLE	MOLDED REINFORCED FIBERGLASS SHOWER ENCLOSURE WITH AN OUTSIDE DIMENSION OF 62"X33"X78-3/4" (1)36" 18 GAUGE STAINLESS STEEL GRAB BAR ON THE BACK WALL, (1) 24" 18 GAUGE STAINLESS STEEL GRAB BAR ON THE SIDE WALL, BOTH W/ 1-1/2" STATUTE CLEARANCE, SECURED FROM THE REAR W/ STAINLESS STEEL BOLTS AND 3"X3"X11 GAUGE METAL MOUNTING PLATES, 26"X21" FRAMELESS WOOD GRAIN PHENOLIC FOLD-UP SEAT, MOLDED CORNER SOAP LEDGES, 18 GAUGE STAINLESS STEEL CURTAIN ROD W/ RECEIVER DUPS, TRI CELL BACKING, SELF SUSTAINING BOTTOM AND ¾" THRESHOLD. COMPLETE W/ ACCESSIBLE SHOWER SYSTEM WITH PRESSURE-BALANCING MIXING VALVE WITH LEVER HANDLE, INTEGRAL SERVICE STOPS AND ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, CAST BRASS ADJUSTABLE SPRAY 1.5 GPM SHOWER HEAD WITH ARM AND FLANGE, DUAL OUTLET LEVETROL DIVERTER VALVE WITH WALL/HAND SHOWER WITH 5-FOOT FLEXIBLE METAL HOSE IN-LINE VACUUM BREAKER AND WALL CONNECTION, 30-INCH SLIDE BAR FOR MOUNTING HAND SHOWER	3/4"	3/4"	2"	2"	2"
TP-90012001	TRAP PRIMER (PRESSURE)	SHALL BE INSTALLED BEHIND ACCESS PANEL AND SHALL BE PROVIDED WITH DISTRIBUTION UNIT AS NEEDED TO SERVE UP TO FOUR FLOOR DRAINS AND/OR FLOOR SINKS.	--	1/2"	--	--	--
MV-90012001	THERMOSTATIC MIXING VALVE	RECIRCULATION STATION CONSISTING OF HIGH-LOW THERMOSTATIC MIXING VALVE IN COMBINATION WITH PIPING ASSEMBLY, INLET/OUTLET SHUTOFF VALVES, PRESSURE/TEMPERATURE GAUGES, CIRCULATING PUMP, CIRCUIT SETTER BALANCING VALVE AND GFCI ELECTRICAL OUTLET. ALL COMPONENTS PRE-ASSEMBLED TO ENAMEL COATED STRUT AND TESTED BY MANUFACTURER. HIGH-LOW THERMOSTATIC MIXING VALVE ASSEMBLY SHALL HAVE A LIQUID-FILLED THERMOSTAT AND STAINLESS STEEL PISTON AND LINER ASSEMBLY, BRONZE BODY AND CAP WITH REPLACEABLE CORROSION RESISTANT COMPONENTS, WITH INTEGRAL CHECKSTOPS, REMOVABLE STRAINERS AND THERMOMETER. 1-1/2" INLETS & 1-1/2" OUTLET AND 3/4" RETURN LINE, 1.5 GPM MIN FLOW CAPACITY, 17.0 GPM MAX FLOW CAPACITY AT 10 PSI PRESSURE DROP SET AT 120°F OUTLET TEMPERATURE.	1-1/2"	1-1/2"	--	--	--
WHA-90012001	WATER HAMMER ARRESTER	PISTON TYPE, SHALL BE INSTALLED BEHIND ACCESS PANEL. SIZE SHALL BE SELECTED BY CONTRACTOR BASED ON CONNECTED DRAINAGE FIXTURE UNITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	--	1/2"	--	--	--
ES-90012001	EMERGENCY EYEWASH/ SHOWER	COMBINATION DRENCH SHOWER AND EYE/FACE WASH, PLASTIC SHOWER HEAD AND BOWL WITH DUST COVER. COMPLETE WITH FLOOR DRAIN, ALARM, LIGHTING AND MONITOR.	--	1-1/4" TW	1-1/4"	2"	1-1/2"
ES-90012002	EMERGENCY EYEWASH	EYE/FACE WASH, BOWL AND DUSTCOVER, BARRIER-FREE WALL MOUNTED. <div>PROVIDED WITH EMERGENCY THERMOSTATIC MIXING VALVE.</div>	--	3/4" TW	1-1/4"	2"	1-1/2"
IMB-90012001	ICE MACHINE BOX	POWDER COATED METAL BOX; 1/4 TURN BRASS BALL VALVE WITH WATER HAMMER ARRESTER.	--	1/2"	--	--	--
SS-90012001	SERVICE SINK	MOP SINK, CORNER FLOOR MOUNTED, COMPLETE WITH WALL MOUNTED FAUCET WITH VACUUM BREAKER, TRAP, VINYL GUARD LONG NECK SPOUT WITH SUPPORT BRACKET, PALE HOOK.	3/4"	3/4"	3"	3"	2"
EWC-90012001	ELECTRIC WATER COOLER	SELF-CONTAINED, HEAVY-DUTY, VANDAL RESISTANT BUBBLER HEADS, 14 GAUGE STAINLESS STEEL CABINET WITH FRONT ACCESS PANEL AND INTEGRAL BASIN, FRONT SELF-CLOSING PUSH BUTTON ACTIVATION WITH BOTTLE FILLER. UNIT SHALL MEET ADA GUIDELINES AND CERTIFIED TO NSF/ANSI 61. 115V / 60 Hz / 370 WATTS / 4.0 F.L.AMPS. (BASIS OF DESIGN: ELKAY MODEL NO. LVRCHDTL8SC WITH BOTTLE FILLER)	--	1/2"	2"	2"	2"
FD-90017001	FLOOR DRAIN	HEAVY DUTY CAST IRON BODY, FLASHING COLLAR, ADJUSTABLE TOP, NICKEL BRONZE ROUND STRAINER, AND WITH TRAP PRIMER CONNECTION.	--	1/2"TP	2"	2"	2"
FD-90017002	FLOOR DRAIN	HEAVY DUTY CAST IRON BODY, FLASHING COLLAR, ADJUSTABLE TOP, NICKEL BRONZE ROUND STRAINER. COMPLETE WITH "PROSET SYSTEMS" (OR EQUAL) TRAP SEAL DEVICE.	--	--	2"	2"	2"
FD-90017003	FLOOR DRAIN	HEAVY DUTY CAST IRON BODY, FLASHING COLLAR, ADJUSTABLE TOP, NICKEL BRONZE ROUND STRAINER. COMPLETE WITH "PROSET SYSTEMS" (OR EQUAL) TRAP SEAL DEVICE.	--	--	4"	4"	2"
BFP-90012001	BACKFLOW PREVENTER	REDUCED PRESSURE PRINCIPLE ASSEMBLY, CAST-IRON BODY, LEAD-FREE	--	4"	--	--	--
BFP-90012002	BACKFLOW PREVENTER	REDUCED PRESSURE PRINCIPLE ASSEMBLY, CAST-IRON BODY, LEAD-FREE	--	1"	--	--	--
BFP-90012003	BACKFLOW PREVENTER	REDUCED PRESSURE PRINCIPLE ASSEMBLY, CAST-IRON BODY, LEAD-FREE	--	1-1/2"	--	--	--
BFP-90012004	BACKFLOW PREVENTER	REDUCED PRESSURE PRINCIPLE ASSEMBLY, CAST-IRON BODY, LEAD-FREE	--	1"	--	--	--
BFP-90012005	BACKFLOW PREVENTER	REDUCED PRESSURE PRINCIPLE ASSEMBLY, CAST-IRON BODY, LEAD-FREE	--	2"	--	--	--

***NOTE: ALL DIMENSIONS
AND/OR DIMENSIONS SHOWN
IN CALLOUTS/NOTES ARE
INCHES UNLESS OTHERWISE
NOTED**



RTA



CONTRACT NO.

CONTRACTOR

CITY

STATE

Recommended:

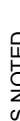
Approved:

Date:

PRIME CONTRACTOR

RESIDENT ENGINEER

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	Designer: KIMAYOR Drawn: KIMAYOR Reviewed: PWU Checked: BTN		Date: 2016.11.18 Draw Date: Pct Issue: 1:1 File Name: C:\BURRIDGE\PLUMB.2015 Drawing #: AF-131-02
	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ANCHORAGE, ALASKA		W911KB-17-R-0010 MDA656 CLR039

CLEAR AFS, ALASKA

LONG RANGE DISCRIMINATION RADAR

CONSTRUCTION PACKAGE 1 - VOLUME 2

PLUMBING FIXTURE SCHEDULES - SHEET 1 OF 3

Reference
number:
P-900701B